

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: mvjff@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)
Subject: [6720] 160m Olde Tyme Radio
Message-ID: <199612191334.IAA01132@alig1.firewall.lucent.com>

Since getting on 160m this weekend with the SWL-160,
I have been amazing folks, and amazing myself.

On 160, I have heard only one "digital" signal, and
very few QRPers.

One of them, WB1EYE, Carl builds vacuum tube 3 band QRP
transmitters. He said he is sending me one to use !!

Can you imagine that !

It is called the Cakepan 5 using 6C4 and 6AQ5 tubes,
with a built in power supply.

Ill report later.

Im amazed !

After the QSO with him, a 400W. station called ME, to chat
and after him, a 200W stn from NY.

It seems that a QRPer is a celebrity on 160m CW !!!!

I heard some DX but still dont have a prayer....

This band is a fertile field in which to sow the seeds of QRP.

Im amazed !

72 W1FMR

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: mvjff@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)
Subject: [6742] 160m Olde Tyme Radio
Message-ID: <199612191816.NAA03674@alig1.firewall.lucent.com>

For those asking what an SWL-160 Transceiver, is and what the

160m antenna used is ?

The SWL-160 is a transceiver kit from Small Wonder Labs.

It runs better than 2 W. power output, and has QSK, Sidetone, superhet Rx, and 40Khz tuning range on 160m, for \$55 postpaid.

I built the SWL-30 kit also and like that very much.

Contact SWL at Bensondj@aol.com for more kit info.

The antenna, and my only antenna, seems to work on 160m.

It is an inverted "L" shaped wire about 180' long and 35' high, with the near end coming straight down and into my bedroom window to a parallel tuned circuit (HB ATU) to gnd.

HB ATU:

Antenna Tuning Unit - from ARRL Ant. Hdbk - See Half Square Ant.

C = ~ 800pf (2 variables in parallel)

L = 2 lengths of B&W miniductor in series, = about 1.5 feet long.

Feed to rig is a coax clipped to coil, ~ 4 turns from gnd, for lowest SWR.

Gnd = Everything in sight, including 2 - 135' wires laying on gnd in the yard.

Good luck !

72/73 Jim Fitton, W1FMR <>< NH

jfitton@lucent.mv.com

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996

From: Russ1031@aol.com

Subject: [6759] 3579 kHz for the Spartan Sprints is hereby blessed

Message-ID: <961219154657_269793927@emout17.mail.aol.com>

A while back, Randy, WJRP, sent me the entirely reasonable suggestion that we include both 3560 and 3579 kHz for the Spartan Sprint. The matter slipped my alleged mind. But I hereby kiss the idea on both cheeks.

Russ Carpenter, AA7QU, ARS contest manager

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "W. D. Lindsey" <70511.3041@compuserve.com>
Subject: [6725] 40M Not N/T Fox-Friendly!
Message-ID: <961219155411_70511.3041_IHD22-2@CompuServe.COM>

Gang:

I was all set to bag Niel WA&SSA last evening. Even got there before time, tuned up, got a cup of coffee at the ready. Heard others apparently making similar preparations.

Even persuaded my XYL (a non-ham) to QRX with me for the opening. Then I heard the FOX....right on time, about 549-559, with a slight QSB flutter on his signal. I hit the key, as did others, and hoped for the best. But never could hear him after his first CQ. Nada, Zip, Nothing. In fact, he may have responded to my call, but I could not hear whether he came back. Rats (wups)!

Heard lots of QSOs on or near the frequency, but for the full two hours never heard the FOX himself, other than at the very beginning. Could hear other guys calling/working him, but no luck at my QTH. Even tried another rig and/or antenna, to no avail.

So apparently band conditions were not good for me. Something similar happened the night before--heard the FOX (W0CH)--okay for about 40 minutes, then he faded completely and I could only hear other guys calling him.

But....there's always *tonight*. And TWO Foxes! Watch out, guys, I am really hungry now for some FOX. Good luck, everyone. Thanks to all who serve as the FOXes. And Happy Holidays to one and all from Rochester, MN.

72/73,
--Doc/K0EVZ QRP-L #861

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Robert Williams <rwill@seminole.saccw.cc.ar.us>
Subject: [6711] 49'er kit now sold.

Message-ID: <Pine.LNX.3.91.961219004240.3769E-100000@seminole.saccw.cc.ar.us>

Not three minutes after posting, the 49'er kit has been sold. Sorry to those who wanted it and didn't happen to be logged on at the moment of my posting the message.

Robert S. Williams, MD

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Scott Bauer <ke3nv@erols.com>
Subject: [6712] 49er kit, please
Message-ID: <199612190749.CAA22936@smtp2.erols.com>

Good Morning!

If there is one more un-built 49er in existence, I would love to have it. Please reply to me directly, as I have missed out on the last two :-)
I will pay the original \$25.00 plus \$3.00 for shipping.
If any of you want to part with your 49er, please let me know.

Happy Holidays, Scott

Fists 1502, ARCI 8804, G-QRP 8773, Nor-Cal 1094, NE 348, AR-QRP 27

Scott Bauer W3CV (formerly KE3NV, N3RQU) QRP nut, SWL
CW Operators QRP Club # 484 (Australia) Grid FM-19, Odenton, MD

ARRL, ARRL, ARRL, ARRL, scQRPions 38, CQC 352, ARRL, ARRL, ARRL, ARRL

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: mvjfm@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)
Subject: [6752] ??
Message-ID: <199612191947.0AA20759@alig1.firewall.lucent.com>

Sorry for the bandwidth....

Someone from

Saint Joseph, Berrien County, Michigan !

sends me a header with no message attached.....
after my 160m message to qrp-l.

Your message is not getting thru.

72 W1FMR

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: N5EM@aol.com
Subject: [6773] A FB Christmas Poem
Message-ID: <961219181026_1355872181@emout01.mail.aol.com>

Merry Christmas. This, from the Internet.

Christmas Greetings

['Tis The Season!]

A Ham's Night Before Christmas

Twas the night before Christmas,
And all through two-meters,
Not a signal was keying up
Any repeaters.

The antennas reached up
From the tower, quite high,
To catch the weak signals
That bounced from the sky.

The children, Tech-Pluses,
Took their HT's to bed,
And dreamed of the day

They'd be Extras, instead.

Mom put on her headphones,
I plugged in the key,
And we tuned 40 meters
For that rare ZK3.

When the meter was pegged
by a signal with power.
It smoked a small diode,
and, I swear, shook the tower.

Mom yanked off her phones,
And with all she could muster
Logged a spot of the signal
On the DX PacketCluster,

While I ran to the window
And peered up at the sky,
To see what could generate
RF that high.

It was way in the distance,
But the moon made it gleam -
A flying sleigh, with an
Eight element beam,

And a little old driver
who looked slightly mean.
So I thought for a moment,
That it might be Wayne Green.

But no, it was Santa
The Santa of Hams.
On a mission, this Christmas
To clean up the bands.

He circled the tower,
Then stopped in his track,
And he slid down the coax
Right into the shack.

While Mom and I hid
Behind stacks of CQ,
This Santa of hamming
Knew just what to do.

He cleared off the shack desk

Of paper and parts,
And filled out all my late QSLs
For a start.

He ran copper braid,
Took a steel rod and pounded
It into the earth, till
The station was grounded.

He tightened loose fittings,
Resoldered connections,
Cranked down modulation,
Installed lightning protection.

He neutralized tubes
In my linear amp...
(Never worked right before --
Now it works like a champ).

A new, low-pass filter
Cleaned up the TV,
He corrected the settings
In my TNC.

He repaired the computer
That would not compute,
And he backed up the hard drive
And got it to boot.

Then, he reached really deep
In the bag that he brought,
And he pulled out a big box,
"A new rig?" I thought!

"A new Kenwood? An Icom?
A Yaesu, for me?!"
(If he thought I'd been bad
it might be QRP!)

Yes! The Ultimate Station!
How could I deserve this?
Could it be all those hours
that I worked Public Service?

He hooked it all up
And in record time, quickly
Worked 100 countries,
All down on 160.

I should have been happy,
It was my call he sent,
But the cards and the postage
Will cost two month's rent!

He made final adjustments,
And left a card by the key:
"To Gary, from Santa Claus.
Seventy-Three."

Then he grabbed his HT,
Looked me straight in the eye,
Punched a code on the pad,
And was gone - no good bye.

I ran back to the station,
And the pile-up was big,
But a card from St. Nick
Would be worth my new rig.

Oh, too late, for his final
came over the air.
It was copied all over.
It was heard everywhere.

The Ham's Santa exclaimed
What a ham might expect,
"Merry Christmas to all,
And to all, good DX."

(C) 1996 Gary Pearce KN4AQ

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [6735] Antenna Tidbits

It's hard to believe the interest this group has demonstrated
in more efficient antenna systems. Here's a few tidbits about
a 102 ft center-fed dipole at 60ft high (the G5RV length).
These figures are approximations from EZNEC.

Freq. SWR on 300ohm line SWR on 45ohm line

3.8	14:1	15:1
7.2	11:1	8:1
10.125	23:1	15:1
14.2	3:1	4:1
18.14	12:1	8:1
21.3	13:1	10:1
24.95	4:1	4:1
28.4	10:1	7:1

Note that, using 450 ohm feedline, the SWR on 30m and 80m is the same so if this is a good length for 80m, it is also a good length for 30m (assuming no coax).

One can use an inexpensive pickup loop to find the current maximum point on the ladder-line. The antenna *system* is resonant at the current maximum point. Here's the purely resistive impedances predicted by EZNEC at the I_{max} points.

Freq.	Resistance using 300 ohm line	Resistance using 450 ohm line
3.8	21 ohms	30 ohms
7.2	27 ohms	56 ohms
10.125	13 ohms	30 ohms
14.2	100 ohms	113 ohms
18.14	25 ohms	56 ohms
21.3	23 ohms	45 ohms
24.95	75 ohms	113 ohms
28.4	30 ohms	64 ohms

Note that almost all these points result in 50 ohm SWRs of 2:1 or less, an efficient operating point without a tuner or an easy match for most antenna tuners. To take advantage of the above, we must have some way of varying the length of the transmission line. We can do it with relays, switches, or pluggable lengths of ladder-line.

I have tried all of the above and presently use 16,8,4 ft lengths of line to achieve any length between 0ft and 28ft. I have a variable capacitor that slides back and forth on 4 ft parallel runs of #10 bare copper wire to achieve perfect 1:1 SWRs with minimum losses. Except for 80m and 30m, I_{max} points occur on all the other HF bands between 70ft and 90ft from the antenna feedpoint for 300 ohm line and 77ft and 99ft for 450 ohm line. On 40m and 20m-10m, locating the capacitor a little closer to the transmitter than the I_{max} point results in a perfectly resistive 200 ohms, a perfect

match for my 4:1 balun, and a perfect 50 ohm SWR of 1:1.

80m and 30m present a special problem. On 80m the I_{max} points are at 26ft and 26ft+halfwavelength= 125ft for 300ohm line and 1.1 times that for 450ohm line. So I use two series toroidal inductors on both 80m and 30m located around 82ft for 300ohm and 92ft for 450ohm line. Toroidal inductors are more lossy than caps but I didn't want to have to use 140ft of 450 ohm ladder-line to access an I_{max} point on 80m.

Anyone wishing to duplicate my efforts, I suggest you optimize your antenna for your favorite band and evaluate the results.

73, Cecil, W6RCA, 00TC

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Ken Freedman <n1qqv@cshore.com>
Subject: [6745] Cake Pans
Message-ID: <2.2.32.19961219182323.00694d80@cshore.com>

At 08:22 AM 12/19/96 -0500, you wrote:

>One of them, WB1EYE, Carl builds vacuum tube 3 band QRP
>transmitters. He said he is sending me one to use !!
>
>Can you imagine that !
>
>It is called the Cakepan 5 using 6C4 and 6AQ5 tubes,
>with a built in power supply.

Gang,

A friend of mine has one of these little xmitters, and they are indeed built into a cake pan (about 9x11x3.5). The only modern device used is an LED for tuning circuit resonance, and you change bands by switching coils and xtals. I understand that there is a Cake Pan CW net on 80 meters that meets around noon daily, here on the East Coast. My friend, a YL, told Carl that her favorite color is purple, so her rig has a big purple coil on top. I think a matching receiver is "in the works" and the pair would be quite a site to see. If this was a gift, not a sale, Carl must have been very impressed, 'cuz he normally gets a pretty good buck for these unique little rigs.

73, Ken
Ken Freedman
AKA: N1QQV/QRP VE, EC Madison CT

Living Proof That, "You don't have to be a blonde to be light headed!"

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Joe Gervais <vole@primenet.com>
Subject: [6734] Calling All QRP DXers
Message-ID: <199612191709.KAA11090@primenet.com>

Howdy Folks,

I need your help here. A good friend of mine (and former QRP'er) just sent me the following:

> Worked EA9IE the other day ... of course, u can't do that
> without AT LEAST 100 watts.

Now if that ain't just *begging* to be a challenge, I don't know what is. :-)

So, anyone know where this station hangs out? Anyone feel up for it? I'm assuming they're in the Extra portion of the band wherever they are, so it'll be another week or so before I can give chase myself. No Hamstick for this operation - my new antenna should be up in two weeks and ready to go.

Sound the rallying cry! Witts not watts! :-)

Happy Holidays de KC7NEV,

-Joe, vole@primenet.com, AZ ScQRPions

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: d.nordquest@juno.com
Subject: [6704] Chautauqua Hamfest
Message-ID: <19961219.012111.4455.4.d.nordquest@juno.com>

WESTERN NEW YORK HAMFEST!

The First Annual Chautauqua County Hamfest will be held on Saturday, February 15
at Westfield School on Route 20 in Westfield, NY. The location is

between Erie, PA and Buffalo, NY. Admission is \$4 in advance or \$5 at the door and tables are only \$4 each. Setup is at 7 a.m. and the fest itself runs from 8 a.m. to 3 p.m. Refreshments will be available. For more information, please contact John Hagle, AA2GV at esp@epix.net.

Dave KE9ED

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Cosmo224@aol.com
Subject: [6703] Chicago electronica
Message-ID: <961218204148_908651521@emout03.mail.aol.com>

Greetings all

Two places to try are Radio TV Labs on Irving Park (North Side). Its one of those places with junque stacked to the roof - most of it the boatanchor variety.

Another place is JB Electronics on Dempster in Skokie. Mostly test junk.

Call First!

73 de AA9IL
Mike Kana

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: QLF%mini@magic.itg.ti.com
Subject: [6744] CONNECTOR SURVEY
Message-ID: <9612191817.AA25143@itg.ti.com>

From: Brad Bradfield QLF

Subj: CONNECTOR SURVEY

I sent a direct response to Dick on his connector survey yesterday, but y'all's comments here require a response.

Most of you seem to prefer BNCs for RF connectors, as do I. I have to differ somewhat on audio connectors, however. I have had nothing but problems in recent years finding decent quality 3.5mm phone plugs and jacks that are solidly made and don't fall apart when you try and assemble or use them. For example, on miniature jacks of the open frame style (like an old style 1/4"

phone jack), the laminated sections tend to spin when mounting the jack to a panel. The rectangular plastic jack used by Wilderness in the Sierra works well, but is somewhat difficult to use if you're trying to solder wires to it directly and not using a PWB.

Similarly, with matching plugs; the center conductor solder lug will often spin or rotate inside the backshell, causing a short. I've had numerous similar experiences trying to get coaxial DC connectors that don't fall apart. "Nobody" carries this stuff anymore but Radio Shack, and the last time I had to traips back in for a refund I swore I would never buy connectors from them again; but who else sells anything made any better? I assume it all comes off the same Taiwan or Hong Kong production line no matter whose name is on it. I swear next time I buy that stuff at Radio Shack I'm going to immediately cut the package open after I pay for it and if it's the same old junk I'll ask for my refund before ever leaving the store.

Oh, well! I've vented long enough now back to your regularly scheduled fox hunt

72's es 73's,

Brad, WB0CGH

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*****
Brad Bradfield, PE                               Electrical Design Engineer
(H) 817-321-2960                                Texas Instruments, Inc.
(W) 214-462-6230
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Real men talk with their fingers!

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72

Collector of wireless and landline Morse keys and accessories.

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996

From: sigcom@juno.com (Stephen M Smith)

Subject: [6708] Cordless headphones

Message-ID: <19961218.220846.8287.1.sigcom@juno.com>

Group,

In a recent post, someone mentioned the Radio Shack FM transmitter "re-broadcaster". While at All Electronics today, I spotted a similar gadget. Their catalog # GAM-102 Cordless Headphone System is a low power FM broadcast band transmitter and a portable receiver with headset made for the Ninetendo game systems. The units are new in boxes. Their

catalog says that "because they are primarily for games, the sound quality and power are adequate, but not great". But the price is right, IMO, at \$6.95 per set. They also offer an extra receiver/headset combo at \$3.95, cat. # GEX-103. I suppose that at that price the transmitter is *not* crystal controlled like the R.Shack unit. Looks like a pretty nifty unit for the money.
Order phone: 1-800-826-5432.

(Usual disclaimer.)

73.....Steve, WB6TNL

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Scott Cranston <cranston@zk3.dec.com>
Subject: [6743] CW WWW Site
Message-ID: <9612191807.AA14269@alpha.zk3.dec.com>

<http://www.dutch.nl/wilbwk>

You can get some CW simulator/trainer programs here.... RUFZ and PED (aka PILE-UP on this WWW page).

A pretty good starting point for finding ham radio related software can be found at:

<http://p1k.arrl.org/software/bonnanza.html>

Scott
KB1NW

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "Bernard F. Gaffney, Jr." <70272.2555@compuserve.com>
Subject: [6695] CW: Fahrnsworth or Regular?
Message-ID: <961219020904_70272.2555_JHD35-1@CompuServe.COM>

Ok, here's a dumb question for the group:

In the "real CW world" i.e., on air, which is more commonly used - Fahrnsworth(sp?) or normal spacing? As you can guess, I haven't done any on-air CW work(passed the 13 wpm test a couple of years ago for my General and haven't touched it since.). I've decided to get into QRP(any schmuck can QSO using a kilowatt, but it takes a REAL operator to do it with milliwatts). So, I want

to get my code speed back up (I'm assuming CW is used more than phone in QRP especially at very low power levels. I made a few QRP SSB HF contacts - best one being with the Queen Mary in Long Beach CA from my QTH in Michigan at 5 watts SSB). When I learned CW, I used Farnsworth, but now wonder whether I should use standard spacing, if that's more common in the "real world".

I downloaded Morse Academy and it can go either way. There's also W1AW. Once I get comfortable again, I'll take the next step of getting a CW QRP rig(probably a simple 1 or 2 bander kit. Had an ICOM IC-728 but sold it). Then look out!

TIA for any suggestions.

72/73 de N8PVZ

-----bernard gaffney N8PVZ
MI-QRP M-1152
QRP-L #504
WIN 95 Hater #1

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: k5id@inetsp.net (Kenton E Graham)
Subject: [6716] Finding best Tuner settings
Message-ID: <199612191222.GAA28666@inetsp.inetsp.net>

Regarding the thread about best antenna tuner settings, here's one approach:

I set up my rig (with swr indicator) --> ATU --> wattmeter --> dummy load.

Find the (several) settings on each band that will give 1:1 vswr, noting the power out for each setting. This will give you the best setting for 50 ohm loads, and also give you some useful info about efficiency of your ATU.

Then when you are ready to load a REAL antenna, you will find that most any antenna you want to use (of a reasonably low impedance) can be tuned with a setting not TOO far removed from the optimum one you found for 50 ohms. Usually the capacitor on the transmitter side can be the same, while the capacitor on the antenna side (load) will be a bit different.

Try it, see what you think.

-72,73- Ken K5ID

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Russ1031@aol.com
Subject: [6693] First Reminder for the January Spartan Sprint
Message-ID: <961218151808_841491415@emout05.mail.aol.com>

This is a reminder to mark your calendars for the January Spartan Sprint. It will take place in the normal date slot, i.e. the first Monday of the month, January 6. An outstanding way to welcome the New Year!

80 meters saved our bacon in December, with 40 meters being basically miserable. So we'll include 80 meters again in January. You may work 80, 40, or both. Once again, we'll give double credit for every 80 meter contact.

One additional change--don't include the weight of your antenna tuner in calculating the weight of your station. We've received a number of comments on this issue, and the prevailing point of view is that omitting the weight of a tuner will level the table. So just add up the weight of your transmitter, receiver, batteries, key, keyer and headphones.

Remember that ARS invites QRPers of all stripes to play in the Spartan Sprints. If you've got lightweight equipment, great. But if your station is a little on the rotund side, don't worry. We honor accomplishments in both realms.

Here are the rules for the January 6 Spartan Sprint:

The January Spartan Sprint will be held on January 6 (which is our standard date--the first Monday of the month).

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, antenna tuner and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and QSOs per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of

Qs per pound.

ARS provides handsome certificates to the operators who achieve the top four scores in the Qs per pound category.

You can get a full explanation the Spartan Sprints from our web site, <http://members.aol.com/adradio/index.html>. The following synopsis, however, will give you all you need to participate.

1. Start at 9:30 PM EST, 8:30 CST, 7:30 MST and 6:30 PST.
Finish at 11:30 PM EST, 10:30 CST, 9:30 MST and 8:30 PST.
2. The frequencies will be 7040+- Khz and 3560+- Khz. (You may operate one or two bands--your choice.)
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP".
5. If you are operating under the portable QRP rules, add "/PQ" to your call. (You can find those rules at our web site, <http://members.aol.com/adradio/index.html>)
6. You can take credit for working the same station on a second band.
7. To spice things up, we'll give you double credit for every contact on 80 meters.

After the contest, send Russ Carpenter, AA7QU, an e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of the transmitter, receiver, key, keyer and battery). You may also include your comments from the soapbox. If you get that information to Russ by Tuesday night, he will include your data in the contest results, which will be published on Thursday, October 10 on the ARS web site and the QRP-L. Russ' e-mail address is Russ1031@aol.com.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is KI6SN@aol.com. Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

72, Russ Carpenter, AA7QU
ARS#1

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: w0ch@juno.com (David A. Bixler)
Subject: [6694] FOX Report: 12/18/96
Message-ID: <19961218.201225.6543.1.W0CH@juno.com>

This certainly was an interesting experience. The hounds were out in force last night baying at the Ozark moon, nipping at my heels for the whole two hours. Every time I thought that the pack was satisfied, along came a stray and nailed me again. My backsides are sore this morning!

Summary of hounds nipping the FOX:

Total QSO's: 49
States/Prov: 17

By state/province:

CA - 13 Looks like team California took the trophy again.
TX - 9
AZ - 6
CT - 3
FL - 3
NC - 2
NM - 2
NV - 2
ID - 1
LA - 1
MA - 1
MD - 1
MN - 1
MT - 1
NJ - 1
UT - 1
SK - 1 (VE5)

Here is a copy of the log for W0CH on 12/18, 0300 - 0500 UTC:

NR	TIME	CALLSIGN	SENT	RCVD	STATE	NAME	NUMBER/POWER
01	0300	AB50U	559	559	NM	Tim	73
02	0302	N6XU	559	589	CA	Stan	
66							
03	0303	KK7BD	559	559	AZ	Dan	696
04	0304	KJ5VW	559	559	TX	Gary	227

05 54	0307	AE4IC	579	579	NC	Bob	
06 324	0309	K5RV	579	599	LA	Brian	
07 273	0310	K5W0	569	559	TX	Bob	
08 1	0313	K5F0	559	559	TX	Chuck	
09 25	0316	NR3E	559	599	TX	Dave	
10 343	0316	NQ7X	569	559	AZ	Floyd	
11 825	0319	K5JHP	559	559	TX	Bill	
12 62	0321	N7KT	569	559	AZ	Roger	
13	0323	N6MM	559	559	CA	Harvey	318
14 586	0325	W5FN	599	599	TX	Tim	
15	0326	AD4ZE	569	599	NC	Warren	78
16 689	0328	NI0A	559	559	MN	John	
17	0330	W1HUE	449	529	ID	Larry	228
18 473	0332	K5ZTY	559	599	TX	Bill	
19 47	0333	NQ7K	559	559	AZ	Mike	
20 17	0335	KU7Y	449	449	NV	Ron	
21	0338	AA2WJ	559	449	TX	Dick	5 W
22	0340	W6SU	559	559	CA	John	48
23 271	0341	KI7MN	569	559	AZ	Bob	
24 26	0345	N6WG	559	339	CA	Bob	
25	0348	K50N	569	559	NM	Gary	770
26	0349	VE5RC	559	559	SK	Bruce	5 W
27	0354	W5HNS	569	579	TX	Henry	178
28 257	0356	W6ZH	559	569	CA	Pete	
29	0358	W6BAB	559	559	CA	Harvey	5 W
30 303	0359	K6JI	449	449	CA	Dennis	
31 614	0402	K1MG	339	559	CA	Mike	
32 176	0408	K06KA	449	559	CA	Rob	
33	0414	AA6R	449	339	CA	Gary	

406
34 0419 KK4KF 559 449 FL Bill
755
35 0422 W03B 559 339 MD Bob
195
36 0424 KE4YH 449 559 FL Stew
590
37 0428 K6VNX 559 559 CA Arlen 5
W
38 0429 N1QQV 559 559 CT Ken 400
39 0430 WA6HHQ 559 559 CA Eric 429
40 0432 NT1U 569 559 MA Dave
698
41 0433 KC1FB 569 599 CT Jim
29
42 0436 N2TNN 559 559 NJ Dean 560
43 0438 WI6M 449 449 CA Gary 4
W
44 0440 N7GS 339 559 MT Dave
815
45 0446 KD40BQ 559 419 FL Patrick 1 W
46 0451 KC7NEV 559 559 AZ Joe 191
47 0453 N7CTJ 559 449 NV Dick
843
48 0456 AB7ST 559 559 UT Bob
129
49 0459 AA1MY 579 599 CT Seab 574

Near miss: VE7SL

Rig: TS-530 tuned to 5 watts using Bird 43 wattmeter.
Antenna: 132 foot off-center fed Zepp at 50 feet, 450 Ohm
balanced line with Johnson Matchbox tuner.

Thanks to all the hounds. You were all very sportsmanlike and
well behaved. See you again in January.

Dave Bixler QRP-L # 618
W0CH Seneca, MO
W0CH@juno.com

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: N4JS <jsielke@pobox.com>
Subject: [6772] Foxes, etc.
Message-ID: <Pine.LNX.3.95.961219181427.6405A-100000@jsielke.ppp.cyberenet.net>

Well, fired up the little HB 40cw rig I built about 10 years ago. Worked a couple stations, so left it on for W0CH the other night. Well, I heard 0's, and 9's and even some 7's....up until about 0200Z, then not much. Oh well, this fox thing is going to be difficult, since I work shifts, and therefore, work a lot of night shifts. I'll snare one yet!

I ordered Steve's QRP+ for a Christmas present (to me), so will have another QRP rig to play with. I want to try 30m QRP, so that will be great.

You all have a great Holiday, and I WILL be in there with the hound on Christmas eve!

_ _ _ _
 / \ / \ / \ / \
(N)(4)(J)(S)
 _ / _ / _ / _ /

John L. Sielke n4js@amsat.org
n4js@hotmail.com n4js@n4js.ampr.org
<http://www.pobox.com/~njbirdman> QRP-L #884

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [6748] G QRP Club
Message-ID: <199612191904.TAA23299@mail.enterprise.net>

Anyone know if Mike, KG5F is still handling the G QRP Club membership info for USA?

I seem to think he may have moved. Had a query from KH6 wishing to rejoin. Thanks.

Frank, G3YCC. G QRP Club 042
QRP Homepages: <http://homepages.enterprise.net/g3ycc/>
Email: g3ycc@enterprise.net

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "Claton Cadmus" <aplitech@Spacestar.Net>
Subject: [6736] HB: Connector Hint & Kink
Message-ID: <199612191725.LAA12147@Spacestar.Net>

I haven't tried this yet but the idea struck me as being very good.

Often in QRP rigs there is a need to connect wires from panel controls to the board, usually I just solder a wire in-between but that often makes it difficult to make "after assembly adjustments" (read corrections).

Pins used for computer connectors are available very inexpensively. Try using them as inline connectors. Cut the connecting wire in half, crimp a male and female connector on and place a bit of shrink tubing over the female connector and shrink it on one end such that the male can be plugged and unplugged with the shrink wrap covering the rest of the connector. Or insert the male pin in the hole in the circuit board and solder it in.

There, small gold plated inexpensive connectors that will made disassembly a snap! ;-)

And if you got a lot of time on your hands and a pin removal tool the pins can be had free from old computer connectors.

Claton Cadmus |73 de KA0GKC
Application Technologies Inc. |ARRL, QRP-ARCI, NorCal
Ph. (612)926-8886 |ARCC, MNQRP Society
Fax (612)926-8545 |ka0gkc@ka0gkc.ampr.org
E-mail cla@spacestar.net |ka0gkc@wb0gdb.#stp.mn.us

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [6696] Headsets
Message-ID: <19961218.211559.7103.1.kb0rol@juno.com>

Just went by Radio Shack - their Optimus NOA44 headsets are half price. These are full ear light weight sets that see to work just great with my Explorer and now at \$12.95 were too good to pass up (now I have two sets).

Brad Mugleston - KB0ROL
Colorado QRP Club # 170, QRP-L #316, ARRL
QTH - Aurora, CO - DM79oq
KB0ROL@JUNO.COM
BMUG@GWL.COM

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996

From: Robert Paschal <r-paschal@worldnet.att.net>
Subject: [6775] HP-23/C Power Supply Schematic
Message-ID: <19961219233256.AAA5635@LOCALNAME>

Seasons Greetings to everyone.

I'm building a Heath HX-1681 CW transmitter -- yeah, not exactly a QRP rig, but I hope to be able to attenuate the power and have a nice 5 band transmitter usable for QRP.

In my wilder moments I even think about switching out or eliminating the final stage (pair of 6146's) but not sure what matching problems I might have. The driver is a 12BY7A. Would like to hear from anyone who has tried anything like this or tried to use this TX for QRP.

When I acquired the kit the HP-23/C power supply had been built and I have no schematic for the p/s. I would appreciate it if anyone can help me find one.

I built an HW-101 in the late '70's and it used a similar power supply and I expect the circuit would probably be pretty conventional but it's always comforting to have a schematic for trouble shooting. A parts list wouldn't hurt either.

Thanks & 73,

Bob - AA0MC

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "John A. Evans - N3Q00" <jaevans@cos.cst.titan.com>
Subject: [6741] In search of tins
Message-ID: <199612191757.MAA263114@nss2.CC.Lehigh.EDU>

Folks,

Found this while searching for collectible tin items. Mildly amusing !!
=20

<http://phoenix.kent.edu/~sbilhard/altoids.html>=20

BTW, it would be nice to have a list of currently available collectible QRP cases &^). I know of the Celestial Seasonings and Altoids boxes. Is the Kodak box still available ??

72, n3qoo

john

John A. Evans Chief System Administrator
Office: (719) 528-1800 Titan Client/Server Technologies
Fax: (719) 528-1888 1115 Elkton Dr, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: AE0Q / V31RY <v31ry@ix.netcom.com>
Subject: [6756] Keying from Computer
Message-ID: <2.2.16.19961219134715.29cfe1c4@popd.ix.netcom.com>

A while back I posted two schematics of opto-isolated keying circuits for sending CW from computer programs. One is for serial ports, and one is for the LPT (parallel) port. One or the other will probably work with most of the contesting or every-day logging software that is available. 'CT' can use either, and LOGic-4 uses the LPT interface.

Since the schematics may not have made it through e-mail, and to keep them available in the future, Jim Apple WB1DOG has put them on his web site.

<http://www.tp.net/tp/users/japple/>

Jim also has the index of QST magazines from 1972 through 1996 on his site (the data provided by Randy Pelt W4WYT), and some great holiday greetings!

Thanks for posting those, Jim, and Merry Christmas to the QRP-L group!

73 -- Glenn

Duct Tape is like the Force: It has a light side, and a dark side,
and it holds the Universe together.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Bensondj@aol.com
Subject: [6730] Kit choices
Message-ID: <961219113313_169098152@emout19.mail.aol.com>

On Dec 19, Joe Everhart, N2CX <everhart@cayman.vf.mmc.com> wrote:

>>Subject: [6676] Re: Kit choice

>>On the other hand, I'd like to mention another candidate - the WM-40 by NN1G.

>>It has a design similar to the NC-40A and is available with a ready-made case.

>>..... NN1G now offers a complete kit with everything you need. Besides he's

>>on **this** coast!

Thanks to Joe for posting that information. That's the SW-40 (40-40), not a WM-40, and it appeared in the Nov. '94 issue of QST. Since that article's appearance, I developed an enclosure option, so a complete transceiver kit is indeed available. My remaining stock of these enclosures is limited, so as they say, "act now" if you're interested.

The WM-series is an SSB design, and reports of its appearance on 40M are somewhat premature. Please feel free to contact me for further information.

Thanks & 73,
Dave - NN1G

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: ed.welch@cheaha.com (ED WELCH)
Subject: [6722] loop-the-loop
Message-ID: <8CE71F5.0004000F6C.uuout@cheaha.com>

Howdy es Merry Christmas to all!!!

I've got an antenna question,...the last response to an antenna question landed me 35+ messages...I replied to email for **days** afterward.<g> Tnx to all that replied, if I missed replying to anyone on the first go-round I apologize and tnx vry much.

My question now is....

I've got a full-wave loop for 40m strung in a pecan tree in a vertical plane. I've also got a dipole which has one end residing in this same

tree at about an 80-degree angle to the plane of the loop with one end in fairly close proximity to the loop at the 2:00 position. For some reason I feel that my signal pattern maybe getting affected by the dipole. Possible? Comments? Tnx.

My next question is....

I thought about putting another vertical loop in the same tree but in a plane 90-degrees to the first loop. This would give me a N/S signal to go with my present E/W signal (different feedline, etc.,.).

Will this work, or will things really begin to get screwy with my signal? Comments?

Tnx, Mucho-graci, merci, thnky, es thank-you-very-much for your replies! Merry Christmas!

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

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+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996

From: Steve Galchutt <NOTU@webaccess.net>

Subject: [6700] Low QRM and QRM in this group!

Message-ID: <32B8C4ED.1FBD@webaccess.net>

I just tuned in to the "Low Power Amateur Discussion" about a week ago...It's really a pleasure not having to listen to some power line leaking spam all over the signals on the band. It makes it so much easier to pick out and cleanly copy the signals of interest. I spent several months listening to the newsgroups where the QRM/QRN is high... but can be tolerated if your really looking for some piece of info that you need... like digging for rare DX :-> But most of all I want to say Thanks! for answering my queries about lightweiht/batteries and solar cells with lots of great info. And no one made me feel dumb, stupid or inferior for asking...unlike other parts of the internet spectrum...This is truly a unique area and much appreciated!! Happy Holidays Gang !!!! (when I return from Xmas activities I'm moving the wire out of the

basement and installing a real antenna in the attic so I can join the Foxy Fun and give my tired old modified HW8 some exercise. What a fun sport and group!! CU SN . . DE N0TU

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: n5zgt@swcp.com (Brian Mileschosky)
Subject: [6765] Merry Christmas from ABQ, NM!
Message-ID: <199612192220.PAA07147@kitsune.swcp.com>

Hello Everybody,

I would like to wish you and your family a very fun, happy, safe and Merry Christmas! Enjoy the Holiday Season.

If I can be of any assistance by passing messages to anybody in the state of New Mexico, feel free to e-mail me. Thanks!

72/73,

Brian, N5ZGT

Boy Scouts of America	Amateur Radio - N5ZGT
Eagle Scout (12-6-96)	ARRL QRP: NorCal# 1700 QRP-L# 580
JASM - Troop 41	Author of Worldradio's "Youth Forum" Column
Albuquerque, N.M.	Packet: N5ZGT @ KC5IZT.ALBQ.NM.USA.NA
O.A. Lodge 66 <-W-W-W-<<	Internet: n5zgt@swcp.com

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: svecbrdk@well.com (L.Svec,W.Burdick)
Subject: [6699] Message from QRP Bob at Wilderness Radio: New Sierra run, etc.
Message-ID: <199612190427.UAA25557@mh1.well.com>

A message from Bob Dyer at Wilderness:

It is with great pride and thanksgiving that I wish to inform you that the current run of Sierras is now sold out. Do not despair! Wilderness Radio is actively getting another run ready for all you hardcore QRPers. Expected delivery schedule as of today December 18, 1996, is the first week of February, 1997.

Only Sierras are out of stock. I have plenty of NC40A, KC1, KC2, and BuzzNot kits available, as well as the new QRP Field Minilog/DX List and Sierra Band Modules (160m-10m). As an incentive to those who are thinking

about purchasing a Sierra in the future, I am including free of charge with each prepaid Sierra order postmarked before February 1, 1997, a BuzzNot (noiseblanker).

I would like to thank all of my customers who have been so kind, patient and enthusiastic about Wilderness Radio's products. Stay tuned--I know Wayne has more great ideas just waiting to be turned into products.

Best Holiday Wishes & 72+73

de

QRP Bob

KD6VIO

Owner, Wilderness Radio

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Dale Anderson <dalea@artemis.fc.hp.com>
Subject: [6746] N/T FOX heard in CO...
Message-ID: <9612191828.AA26724@artemis.fc.hp.com>

Well, couldn't get to the rig 'til the last half of the second hour. Intensely tuned and sifted the QRN and BCI for any sign of CW activity. Heard lots above 7112, but none of it was Niel. Just when I was about to toss in the towel, I heard CQ FOX de WA7SSA around 7.1115. He was in and out, peaking at 339. I responded to his call and think I heard my call come back as a partial followed by a '?'. Tried for him again, but couldn't make the trip. Suddenly, just 300Hz above, a QRO QSO started up. At zero beat, it was 30-over at my QTH. Even with my 250Hz IF filter in, I could barely pull out Neil as the QRO sig was slamming my AGC. I fought furiously, shifting the IF window, even used the notch to narrow it even more, but it was a lost cause as time ran out. And yet another Novice/Tech Fox eludes this hunter.

So, Barry tonight it's YOUR turn. Help me out, buddy, huh?

72 de Dale, KB0VCC
Fort Collins, CO
QRP-L #91 / CQC #251

P.S. In hindsight, should I have shut my AGC off? Suggestions?

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Barry Keating <Barry.P.Keating.1@nd.edu>
Subject: [6721] N/T FOX Tonight (Thursday)!!
Message-ID: <v03007802aedef80165a4@[129.74.87.62]>

Late Night N/T Fox -- Tonight -- Thursday

WD4MSM WD4MSM

As requested, late tonight
(the LOCAL date will be December 19, 1996).

I will operate "near" 7.122
(as conditions warrant). I will be
on the air from 10:00 pm - 12:00 pm
New York time:

Thursday, December 19th (local date)
10:00 - 12:00 pm local (New York) time
0300 - 0500 UTC
frequency; "near" 7.122+-
QTH South Bend, Indiana
QRP-L# 642
MFJ 9040 at 5 watts

Come on you westerners! This time slot is
at your request. Throw the net and catch
the fox.

Barry Keating
WD4MSM

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: NilsBull@aol.com
Subject: [6726] Oh, no! Not that guy again & a couple quesitoons.
Message-ID: <961219111650_1921301507@emout02.mail.aol.com>

1. Whose doin' the banquet organizing for Dayton this year?

I already got my Hamvention preliminary info flyer doodad in plenty of time for me to figure out how much money I ain't gonna have come May... so I wanna plan ahead. After all, I passed up on a really beat up Hammarlund rx last year and I've been regretting the hassle of rehabilitating it ever since, see?

2. Is Lee of Radio Adventures still in bizness? Did he ever come out with a simple-minded operator's counter/display? Why don't I email him? I already did, so?

I wanna still yet even try to find some sort of counter doodad that'll fit in the place where the dial is on the Argosy. Some people never learn. I'm one of 'em.

3. Been out so long that I fergot nearly everthin' I learnt hear. But I did discover that my original thesis was correct: 8 point type is too dang small and...

4. How many times do you think my prospectus bounced after it was body slammed on the concrete floor outside the ring by the committee?

73

Nils

WB8IJN +c

(Note the change in email address. And don't tell me about academia's concern with First Amendment Rights. They don't exist. Free exchange of ideas! Hah!)

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Robert Williams <rwill@seminole.saccw.cc.ar.us>
Subject: [6710] Original 49'er kit for sale \$25.00 + postage
Message-ID: <Pine.LNX.3.91.961219000333.3769B-100000@seminole.saccw.cc.ar.us>

OK Bruce,

You twisted my arm and I will respond in kind. I'll offer the same 49'er kit, also collecting dust awaiting enough time to build it, and also including an empty Altoids tin.... but I'm going to require you pay the postage (\$3.00 Priority US Mail) plus the \$25.00 I paid for the kit.

Just E-Mail me at: rwill@seminole.saccw.cc.ar.us if interested and I will take the first E-Mail. I only have one kit. And it is perfect except that I just have not been able to find the time to sit down and build it.

Robert S. Williams, MD
(501) 862-1513

Robert S. Williams, MD
ARS KD4ZPH
812 Mount Holly Apt #3
El Dorado, AR 71730

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Kevin Anderson <anderson@ncrsun1.ncr.usace.army.mil>
Subject: [6732] QRL response
Message-ID: <Pine.SUN.3.91.961219100512.704A-100000@ncrsun1>

QRP Wisdom Folks:

I know we have discussed QRL? on here and ways to reply.
I'd like to pose this scenario on top:

During last weeks fox hunts, while waiting my chance to get the fox (which in the end I did), I guy called QRL? pretty much on "our" (the foxes) frequency. I replied QRL to do my part to help keep someone from QRMing us. Well he heard me, and replied QS0?

A that point I didn't know what to reply with. If I had said yes to that, he might have hung around to make sure, but then maybe not. I thought about replying with TEST, indicating the contest nature of what we were doing there, but then I thought he would expect me to begin calling CQ TEST. I thought about replying with FOX or QRP or some variant like that, but then I didn't know the "outlook" this person might have on our activity, or whether they'd understand.

In the end I didn't reply with anything, and this person did move elsewhere, but I must admit it left me in a dilemma. After all, it wasn't technically my frequency either :-)

Please reply directly (anderson@ncrsun1.ncr.usace.army.mil), as

I don't want to start this thread over again with everyone.
Thanks. Cheers/72. Kevin, KB9IUA, Rock Island IL

* * * * *
Kevin L. Anderson Ph.D., CENCR-PD-W, U.S. Army Corps of Engineers
Rock Island District Office, Planning Division-Waterway Systems
Rock Island, Illinois 61204-2004, USA phone: (309) 794-5586
e-mail: anderson@ncrsun1.ncr.usace.army.mil

* * * * *
Opinions expressed here are my own and do not represent the
U.S. Army Corps of Engineers or the Federal Government.

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Mark.Milburn@cybrtech.com
Subject: [6753] QRP Contest
Message-ID: <199612192030.PAA233159@nss2.CC.Lehigh.EDU>

Here's a contest that came through on packet today....go for it!

From: DL2LBF @ DB0HRO.#MVP.DEU.EU (Guenter)

AGCW-DL-QRP-WINTER-CONTEST
=====

Date : 04./05.01.1997

Time : Saturday 15:00 UTC to sunday 15:00 UTC
Within this time interval a break of 9 hours must be
taken, 5 hours of which must be in one go, the rest may
be taken by own choice

Participants : Single-OP only, only CW (A1A), only one single TX and
one single RX or one single TRX is allowed at any given
time, no keyboards, no automatic decoders

Calling : CQ QRP TEST

Classes : VLP: < 1 W output or < 2 W input
QRP: < 5 W output or < 10 W input
MP: < 25 W output or < 50 W input
QR0: > 25 W output or > 50 W input

Exchange : RST, QSO-number, class e.g. 579001/QRP

Bands : 80m, 40m, 20m, 15m, 10m

Multipliers : 1 multiplier point for every DXCC country on each
seperate band

QSO-points : QRO-QRO: NO points
QRP-VLP, QRP-QRP, VLP-QRP andc VLP-VLP: 3 points
all other QSOs: 2 points

Final score : sum of QSO-points multiplied by sum of multiplier points
of all bands used

Logs : Columns: UTC, Call, RPRT sent, RPRT received, multiplier
points, QSO points
Seperate log sheets for each band are required
Cover sheet: own call, address, rig and power used in the
contest, final score claimed, word of honour to have
obeyed this contest's rules, operator's signature

Contest manager : Lutz Noack
DL4DRA
Hochschulstr. 30/702
D-01069 Dresden
Germany

----- Deadline: 10.02.1997 !! -----
----- (Arriving date at contest manager's address !) -----

Checklogs are welcome as well any comments by participants.
SASE is required for mailing of result listings.

73 and AGBP from

Guenter DL2LBF @ DB0HRO

... nfx v2.6 [C0000] The ability to lie well is called a liability

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: BWHITTEM@mailgw.sanders.lockheed.com
Subject: [6758] radio merit badge
Message-ID: <2B9AAC50.1299@mailgw.sanders.lockheed.com>

im sorry if this isnt totaly qrp related but i am wondering if anyone
on the list has taught the boy scout radio merit badge course.
i have the requirements and a few boys in our troop that want to take

the course but would like a course curriculum that someone has done.
im hoping that ill get some qrp ops in the troop. with the wealth of
information in this group id be surprised if someone hasnt.

thanks

barry whittemore

wb1ledi

asm troop 135

manchester,nh

wb1ledi@scoot.netis.com

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [6702] SLV on Snow?
Message-ID: <961219044418_70511.3041_IHD78-2@CompuServe.COM>

Gang:

Just about to get my St. Louis Vertical finished. But now I have a
question: How will it work on snow-covered ground? Looks like it is
designed for clear ground, not snow.

So has anyone tried it when there is a foot or more of hard-packed snow
everywhere? What about its loading, etc.?

Would appreciate any assistance you offer. Happy Holidays.

72/73,

--Doc/K0EVZ QRP-L #861

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Art Searle <w2nra@netusa.net>
Subject: [6715] Socket Watch
Message-ID: <32B93199.4EA2@netusa.net>

Thanks to Whoever Posted Socket Watch Info,

I purchased the socket watch program. This is a program that
works with Windows95 and automatically adjusts your computer
clock. If you are into computer logging like I am you should
know just how inaccurate computer clocks are. In some cases
being off in time can get you a N.I.L. from your QSL request.

This program works great. Check it out.

<http://www.locutuscodeware.com>

72 and Happy Holidays, de Art

--

Art Searle, W2NRA [ex WU2K], ARRL Life Member, QRP-L #524
QRP ARCI #9123, DXCC MX & CW HR, NRA Benefactor Life Member
NRA Certified Firearms Instructor, Fight for your rights!
Join the NRA now! <http://www.nra.org/membership/mmbrapp.html>

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Richard Wilkerson <richqrp@pacbell.net>
Subject: [6692] ssb qrp
Message-ID: <32B88C4E.A50@pacbell.net>

Hello all... Can someone please tell me who has the qrp SSB rig kit?
I think it was NN1G, but I can not remember. thanks

--

Rich Wilkerson WD6FDD, Santee, Ca.
NorCal, ARCI, Qrp-L, E.C.R.A.
scQRPions
*****Happy Holidays*****

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Mark.Milburn@cybrtech.com
Subject: [6771] Ten Tec kit specs
Message-ID: <199612192303.SAA151274@nss2.CC.Lehigh.EDU>

Ten Tec has issued the specs on their new yet to be issued
QRP transceivers:

QRP CW TRANSCEIVER KITS - SPECIFICATIONS

Models: 1320 - 20 meters
1330 - 30 meters
1340 - 40 meters
1380 - 80 meters

Frequency coverage: any 50 kHz of CW sub-band. Selection made during
winding of one toroid in VFO circuit.

Frequency control: varactor tuned oscillator with potentiometer control.
Temperature compensated LC components stabilize VFO.

RIT: +/- 1.50 kHz

Antenna: 50 ohm unbalanced, SO-239 connector

Power requirement: 12-14 VDC, 35 mA on receive with no signal

80 mA on receive for S-9 signal

800 mA on transmit

Construction: black texture painted. Clamshell style steel top and bottom, aluminum chassis. One double-sided printed circuit board measures 3.5" x 5".

Board mounted components: 216, including 4 IC's, 19 transistors, and 13 diodes.

Front panel controls: main tuning, volume, RIT, toggle switch for power on/off.

Connectors: 1/4" stereo phone jack on front for headphones, 3 phono jacks on rear for key, DC input, DC output. SO-239 for antenna.

Dimensions: HWD 2.75" x 6" x 6" (7 x 15.2 x 15.2 cm)

Weight: 2.25 lbs. (1.02 kg)

TRANSMITTER

RF output: 3 watts typical, no external adjustment

T/R switching: solid-state, full break-in

CW offset and sidetone: adjustable 400-1000 Hz, sidetone automatically tracks offset frequency. Sinewave sidetone has internal level adjustment.

RECEIVER

Type: single conversion superhet, JFET mixer

Sensitivity: .25 uv typical for 10 dB S/N

Selectivity: 4 pole crystal ladder filter, 1 kHz nominal bandwidth.

AGC: audio derived

I-F frequencies: 11 MHz on 80/40 models, 14.32 MHz on 30 model, 6.14 MHz on 20 meter model.

Audio: .3 watt @ 4 ohms, built-in 3" speaker.

... nfx v2.6 [C0000] It's lonely at the top but you eat better

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996

From: duwaynes@postoffice.worldnet.att.net

Subject: [6766] TEN-TEC QRP Kits

Message-ID: <3.0.32.19961219172820.0090c3a0@postoffice.worldnet.att.net>

Just stopped in to see the people up near DollyWood about their QRP kits.

I have had one on order since October and according to them they should be shipping the 40 meter around the middle of January and the other systems around the first of February. Also have the first specification sheet I have seen from them. Unfortunately this is all the inform I have.

Models 1320 20 meters 1340 40 meters

1330 30 meters 1380 80 meters

Frequency coverage any 50 KHz. section of CW band. Selection made during winding of one Toroid in VFO circuit.

Frequency Control varactor tuned oscillator with potentiometer control.

Temperature compensated LC components stabilize VFO.

RIT +/- 1.5+KHz.

Antenna 50 ohm unbalanced, SO-239 connector

Power requirements 12-14 VDC 35 ma on receive with no signal

80 ma on receive for S-9 Signal

800 ma on transmit

Construction black texture painted. Clamshell style steel top and bottom , aluminum chassis. One double-sided pcb 3.5 x 5 in.

Board mounted components 216 including 4-ic, 19 transistors and 13 diodes.

Front panel; controls main tuning, volume RIT, toggle for power ON/OFF

Connectors 1/4 stereo plug on front for headphones, 3 phono jacks on rear for key, DC input, DC output, SO-239 for antenna.

Dimensions 2.75 x 6 x 6 in.

Weight 2.25 lbs

Transmitter

RF Output 3 watts typical

T/R Switching solid state, full breakin

CW offset and side tone adjustable 400-1000 hz, side tone automatically tracks offset frequency, Sine wave side tone has internal level adjustment.

Receiver

Type single conversion superhet, JFET mixer

sensitivity .25 uv typical for 10 db s/n

selectivity 4 pole crystal ladder filter, 1 khz nominal bandwidth

AGC audio derived

i-f frequencies 11 mhz on 80 and 40 , 14.32 mhz on 30 6.14 on 20

audio .3 watt @ 4 ohm , built in 3 " speaker

DuWayne Schmidlkofer

Senior Field Systems Specialist

Nicolet Biomedical Inc.

duwaynes@worldnet.att.net

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996

From: Mel Evans <101366.3072@compuserve.com>

Subject: [6755] Test (Delete now)

Message-ID: <199612191542_MC1-D88-8462@compuserve.com>

Hi there,

Testing new cserve connection.

Mel

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: NilsBull@aol.com
Subject: [6754] Tins, kits, connectors & gettin' yer flu shots early
Message-ID: <961219152918_1288848547@emout15.mail.aol.com>

Tins is cool. Fact is, last year at Dayton a couple of the gang had put their little bitty radios in tins what reminded me of the metal box Atwater Kent deals that show up at the flea markets from time to time. Then just the other day, Cindy went out to get some stuff to put Solstice/Hanukka/Yule gifts in and came back with a bunch of those tins what I'd seed before. Now I want one... or two...

Can you believe that I'm still interested in putting a very tiny radio into a very tiny box as if I were gonna go out to, say, Presqu' Isle provincial park and sit under the verdant canopy with a radio instead of staring off into the middle distance of Lake Ontario? Not me, jim. Not when it's all I can do to manage the patience to put tubes back into the right sockets after I rehabilitate some ol' radio wreck made when I was still a kid in Buster Browns.

But I am sick enough to still be lookin' for a counter kit what I'll be able to put in the Argosy (gettin' tired of hearin' about it, ain'tcha?). Or -- as timing is everything -- getting SWL's address sozat I can look like I'm gonna build a 75m SSB rig (and you don't wanna hear about that any more, do ya?). Fact is, I just deleted a message from Dave B -- clicked the mouse just as I realized what I was deleting. Some people: cognitive gaps in the process ... like some PostModernist deconstructionist gibberish explains it all...

And, he said with an elitist sniff, I got my flu shot early so I could have a low grade version of it just before Christmas/Jul/Solstice/whatever. Timing. It's everything.

73
Nils
WB8IJN +c

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: dwink@juno.com (Daniel C Winkler)
Subject: [6705] Tuners
Message-ID: <19961218.214828.4927.0.DWink@juno.com>

Sorry for BW, but ...

A pi circuit is 2 L-circuits back to back (or head to head, depending on your viewpoint). The inductor contributes the lion's share of the losses to the circuit by a factor of at least 10. Lowest losses will NOT occur at the lowest Q (which is the simple L match), but at some other Q where the INDUCTOR is at its minimum value.

Forget the caps. Mark your tuner's inductor switch so's you can tell when it's set to the least possible inductance.

If you don't believe me, construct a little spreadsheet for yourself, and put in the formulas for a pi-circuit. The formulas can be found in Solid State Design for the Radio Amateur, or the ARRL Handbook, or the ARRL Antenna Book. Try various Q's to match a given set of conditions and you will find that the L is NOT optimum.

73

; D DWink@Juno.com Dan Winkler N7IVR Seattle,
WA

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [6709] Two Questions
Message-ID: <19961218.234817.9815.0.kb0rol@juno.com>

I have two questions that I've been meaning to ask for a long time but every time I remember them I'm not at a computer.

1- How do I record from my Explorer II (or any other radio) to a normal tape recorder. Can I just use a "Y" adaptor from the head phone jack and run a line to the MIC jack or do I need some sort of matching circuit?

2- I've read that most silicon rubber sealant will eat away at circuits. Does anyone have A brand name and type that can be used to hold stop things from rattling in a radio?

Thanks

Brad Mugleston - KB0ROL
Colorado QRP Club # 170, QRP-L #316, ARRL

QTH - Aurora, CO - DM79oq
KBØROL@JUNO.COM
BMUG@GWL.COM

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: pmk@juno.com
Subject: [6719] Used 10 turn Bourns 10 wire wounds 125k ohm...
Message-ID: <19961219.130729.4735.0.PMK@juno.com>

Was at the local surplus store and was looking for some 10 turn wire wounds like used in most rigs. was looking for 100k but all he had were 125 k.

It seems to work great and at almost 1/3 the cost (\$5.00) thought I would give it a try. They have about 30 of them so if interested let me know and I'll pack one up this weekend and weigh it to see what the shipping would be. Should not think it would be more than 3 stamps (\$.96).

73 de Patrick KD4OBQ

ar

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [6723] WHITEROOK PRODUCT GOODIES
Message-ID: <9611198510.AA851038590@smtpgw.ccgate.dl.nec.com>

Merry, Happy Gang:

Those who know, know. I just wanted to tell those uninformed folks of the neat things Whiterook Products offers.

I have used two of their products now: the MK-22 Pocket Straight key, and the MK-44 Mini Paddle. Both work great, are extremely lightweight, and offer a jack providing plug and play convenience.

The MK-44 Mini Paddle works smooth as silk, I really love the way this critter feels.

Purhaps the neatest thing about the Whiterook keys is their simple, yet brilliant construction. When you look at them, you kind of smack your head with one of those

"Why didn't I think of that" kind of thoughts. John has done a marvelous job, and you can't beat the prices!

They are now offering a great T-shirt for us mighty QRPers. I won't give away any secrets, but it's a real collector's item and a keeper, for sure!

Usual disclaimer - I'm a very happy customer and want to see John and many other small companies prosper in '97 and beyond.

Happy Holidays, folks. Be safe and have fun on the air!

73 de Dave NR3E
nr Dallas, TX QRP-L #25

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: ROYGREGSON@aol.com
Subject: [6691] ZM-1's
Message-ID: <961218181501_68333644@emout02.mail.aol.com>

Hi Gang again....Would you beleive it, Murphys law struck again, but this time in a good way. I figured that if the parts did not show up yesterday, I would reorder today and have them shipped Priority Mail, which I did. But I made it a point to put on my account to always ship Priority Mail from now on, and explained why. This is where Murphy stepped in. Although my venders had tried to trace the order through UPS with no success, today one was able to come up with a number, which I took to the UPS warehouse. After much "Talking", finally one package was found on the pile to be returned to sender because of "Address unknown" Digging through the pile the others were found. Thank you Murphy for the lesson, and discovering that you are not always a negative !

Bottom line is that all orders will be shipped as soon as possible. I should be caught up by Friday, and I always ship via Priority Mail !

Thank you all for your patience

Oh another thing, I put together the SWR indicator that appeared in June 1955 QST using LED's. it works great, and I managed to get it on a 3/4" x 3/4" perf board, and fit it inside the ZM-1, I'll make a sketch and include it in the kit for those that would like to give it a try.

72's/73's Roy

MERRY CHRISTMAS AND HAPPY YEAR TO ALL !

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Martin Squicciarini <skitch@resuba.com>
Subject: [6737] Re: Calling All QRP DXers
Message-ID: <Pine.LNX.3.91.961219122202.15988H-100000@resuba.com>

On Thu, 19 Dec 1996, Joe Gervais wrote:

> I need your help here. A good friend of mine (and former
> QRPer) just sent me the following:
>
> > Worked EA9IE the other day ... of course, u can't do that
> > without AT LEAST 100 watts.

For what it's worth here is the info on EA9IE

18140.7	EA9IE	17-Dec-1996 1650Z		<W5HVV-1>
18140.7	EA9IE	17-Dec-1996 1610Z	CALL COR ?	<KA8TBW>
18140.0	EA9IIE	17-Dec-1996 1609Z		<KA8TBW>

72/73

Martin Squicciarini NR3Z
skitch@resuba.com (home)
msquicci@vf.lmms.lmco.com (work)

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "Dean T. Miller" <dtmiller@dsmnet.com>
Subject: [6757] Re: Chicago electronic places to visit
Message-ID: <9612192052.AA21187@dsm7.dsmnet.com>

Hi Rod,

On Wed, 18 Dec 1996 14:29:22 PST you wrote:

>Unfortunately the only two ham radio stores we had in the Chicago area
>(Ericksons & Ham Radio Toy Store) both closed their doors in the last 6
>months. Imagine, a metropolitan area with over 8 million people and no
>ham radio stores!

I don't know about Ericksons, but the Ham Radio Toy Store in Wheaton is
definitely still in business (well, was open when I bought some stuff about

3 weeks ago).

Dean -- from Des Moines (KB0ZDF)

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "David A. Yanke" <n9ssg@techinter.com>
Subject: [6762] Re: Chicago electronic places to visit
Message-ID: <19961219212659.AAB28567@n9ssg.techinter.com>

> I don't know about Ericksons, but the Ham Radio Toy Store in Wheaton is
> definitely still in business (well, was open when I bought some stuff about
> 3 weeks ago).

Erickson's is definatley closed. Im reality, they haven't wanted to deal with ham radio for about 3 years. The Ham Radio Toy Store in Wheaton, changed it's name on 12-13 to Amateur Radio Toy Store. WA9E still owns it. They are located 17 miles, almost due west, from the loop.

Dave
mailto:n9ssg@techinter.com

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Ed Tanton <n4xy@avana.net>
Subject: [6750] Re: CONNECTOR SURVEY
Message-ID: <3.0.32.19961219141403.0092f100@tiger.avana.net>

You can get pretty good male 3.5s from Radio Shack... gold, all metal... and Centralab makes a VERY GOOD panel mounting metal 3.5 stereo-and mono I think-jack (similar to the common 1/4" metal jacks.) None cheap, but well done. Finally, Mouser sells a gold, all metal 3.5 plug AND a sub-mini (1.x?) black/metal/gold plug that are down right expensive but absolutely terrific (especially the sub-mini!) What I wonder is why all these good plugs, and almost no good jacks? Aftermarket demand?

Mouser, Digikey, Hosfelt, and others sell excellent coaxial DC plugs and jacks (OK they also sell some cheap jacks too.) The one to get is the one similar-once again-to the quarter inch metal phone jack. Centralab makes a great one-but it's very pricey. On the other hand, considering how many of these you need per project, and how long you hope your rig will last, 'pricey' gets to be a less significant factor.

At 12:17 PM 12/19/96 CST, QLF@mimi@magic.itg.ti.com wrote:

>From: Brad Bradfield QLF

>

>Subj: CONNECTOR SURVEY

>

>I sent a direct response to Dick on his connector survey yesterday, but y'all's

>comments here require a response.

>

>Most of you seem to prefer BNCs for RF connectors, as do I. I have to differ somewhat on audio connectors, however. I have had nothing but problems in recent years finding decent quality 3.5mm phone plugs and jacks that are solidly made and don't fall apart when you try and assemble or use them. For example, on miniature jacks of the open frame style (like an old style 1/4" phone jack), the laminated sections tend to spin when mounting the jack to a panel. The rectangular plastic jack used by Wilderness in the Sierra works well, but is somewhat difficult to use if you're trying to solder wires to it directly and not using a PWB.

>

>Similarly, with matching plugs; the center conductor solder lug will often spin

>or rotate inside the backshell, causing a short. I've had numerous similar experiences trying to get coaxial DC connectors that don't fall apart.

"Nobody"

>carries this stuff anymore but Radio Shack, and the last time I had to traips back in for a refund I swore I would never buy connectors from them again; but

>who else sells anything made any better? I assume it all comes off the same Taiwan or Hong Kong production line no matter whose name is on it. I swear next time I buy that stuff at Radio Shack I'm going to immediately cut the package open after I pay for it and if it's the same old junk I'll ask for my refund before ever leaving the store.

>

>Oh, well! I've vented long enough now back to your regularly scheduled

>fox hunt

>

>72's es 73's,

>

>Brad, WB0CGH

>*****

>Brad Bradfield, PE

Electrical Design Engineer

>(H) 817-321-2960

Texas Instruments, Inc.

>(W) 214-462-6230

>

Real men talk with their fingers!

>QLF@MSG.TI.COM

>WB0CGH@W05H.#DFW.TX.USA.NA

>ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72
>Collector of wireless and landline Morse keys and accessories.
>*****

>
>
>
>
72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933 V/MBX/FAX
189 Pioneer Trail, Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140
NORCAL#1779 NCDXF SEDXC

Life Member: ARRL AMSAT IDRA INDEXA QCWA URL: Coming Soon

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Ed Tanton <n4xy@avana.net>
Subject: [6749] Re: CW WWW Site
Message-ID: <3.0.32.19961219140319.00927600@tiger.avana.net>

Scott... there's only one 'n' in the "...bonanza.html" part of the address.

At 01:07 PM 12/19/96 -0500, Scott Cranston wrote:

>
><http://www.dutch.nl/wilbwbk>
>
>You can get some CW simulator/trainer programs here.... RUFZ and PED (aka
>PILE-UP on this WWW page).
>
>A pretty good starting point for finding ham radio related software
>can be found at:
>
> <http://p1k.arrl.org/software/bonanza.html>
>
>Scott
>KB1NW

>
>
>
>
72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933 V/MBX/FAX
189 Pioneer Trail, Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140
NORCAL#1779 NCDXF SEDXC

Life Member: ARRL AMSAT IDRA INDEXA QCWA URL: Coming Soon

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [6714] Re: CW: Fahrnsworth or Regular?
Message-ID: <199612191049.KAA00781@chuck.dallas.sgi.com>

Bernard et.al.,

At 20 wpm and above use regular spacing, not Fahrnsworth.
Please.

dit dit

SIG

Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50
EMPS QSOs=109 STATES(w/c)=34/2 DX=0

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "duane" <duane@flinet.com>
Subject: [6697] Re: Fahrnsworth or Regular?
Message-ID: <199612190407.XAA11335@shell.flinet.com>

I believe that normal spacing is used on the air, more or less. But to
learn the code faster or to get back up to speed the Fahrnsworth method is
best,

If you really want to get up to speed get the only code tape I recommend the
KB6MT code tapes. well worth the investment. I went from 5 to 20 in 2mo.
of practice none of the other tapes I tried even came close to the quality
of KB6MT's

Duane AB4BE

<http://www.flinet.com/~duane>

duane@flinet.com

ab4be@amsat.org

> From: Bernard F. Gaffney, Jr. <70272.2555@compuserve.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: CW: Fahnsworth or Regular?
> Date: Wednesday, December 18, 1996 9:09 PM
>
> Ok, here's a dumb question for the group:
>
> In the "real CW world" i.e., on air, which is more commonly used -
> Fahnsworth(sp?) or normal spacing? As you can guess, I haven't done any
on-air
> CW work(passed the 13 wpm test a couple of years ago for my General and
haven't
> touched it since.). I've decided to get into QRP(any schmuck can QSO
using a
> kilowatt, but it takes a REAL operator to do it with milliwatts). So,
I want
> to get my code speed back up (I'm assuming CW is used more than phone in
QRP
> especially at very low power levels. I made a few QRP SSB HF contacts -
best one
> being with the Queen Mary in Long Beach CA from my QTH in Michigan at 5
watts
> SSB). When I learned CW, I used Fahnsworth, but now wonder whether I
should use
> standard spacing, if that's more common in the "real world".
>
> I downloaded Morse Academy and it can go either way. There's also W1AW.
Once I
> get comfortable again, I'll take the next step of getting a CW QRP
rig(probably
> a simple 1 or 2 bander kit. Had an ICOM IC-728 but sold it). Then look
out!
>
> TIA for any suggestions.
>
>
> 72/73 de N8PVZ
>
> -----bernard gaffney N8PVZ
> MI-QRP M-1152
> QRP-L #504
> WIN 95 Hater #1
>
>
>
>

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Chris Sieg <c_sieg@conknet.com>
Subject: [6718] Re: Fahrnsworth or Regular?
Message-ID: <Chameleon.4.01.2.961219080057.c_sieg@PIEXX.conknet.com>

My company manufactures a IBM keyboard to morse keyer (we are the little guys on the block) that runs in both regular and Farnsworth mode. We set the units in the farnsworth mode before shipping. Most folks find the faster dot rate is easier to copy, even beginners, because it persuades you to hear the letters instead of counting dots and dashes.

-Chris

Name: Chris Sieg WA3LDI
E-mail: c_sieg@mail.conknet.com (Chris Sieg)
URL <http://www.conknet.com/piexx>
From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: WJ4PRandy@aol.com
Subject: [6733] Re: First Reminder for the January Spartan Sprint
Message-ID: <961219120139_942282834@emout06.mail.aol.com>

Could we use 3.579 MHz as one of the 80 meter
freqs for the Spartan Sprint please?
73, Randy WJ4P

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: w77kxb@juno.com (William Harris)
Subject: [6738] Re: First Reminder for the January Spartan Sprint
Message-ID: <19961219.102622.4855.7.w77kxb@juno.com>

I vote for 3680 kcs.

72's Bill W7KXB

Mesa, Az.

On Thu, 19 Dec 1996 12:02:15 -0500 WJ4PRandy@aol.com writes:

>Could we use 3.579 MHz as one of the 80 meter

>freqs for the Spartan Sprint please?

>73, Randy WJ4P

>

>

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Richard Wilkerson <richqrp@pacbell.net>
Subject: [6740] Re: First Reminder for the January Spartan Sprint
Message-ID: <32B97F94.22BD@pacbell.net>

William Harris wrote:

>
> I vote for 3680 kcs.
> 72's Bill W7KXB
> Mesa, Az.
> On Thu, 19 Dec 1996 12:02:15 -0500 WJ4PRandy@aol.com writes:
> >Could we use 3.579 MHz as one of the 80 meter
> >freqs for the Spartan Sprint please?
> >73, Randy WJ4P
> >
> >
3.579.5 kc. is the Boatanchors / Glowbugs Net frequency, Nightly.
--

Rich Wilkerson WD6FDD, Santee, Ca.
NorCal, ARCI, Qrp-L, E.C.R.A.
scQRPions
*****Happy Holidays*****

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: [6763] Re: First Reminder for the January Spartan Sprint
Message-ID: <19961219.220544.6727.0.k7yha@juno.com>

On Thu, 19 Dec 1996 12:02:15 -0500 WJ4PRandy@aol.com writes:
>Could we use 3.579 MHz as one of the 80 meter
>freqs for the Spartan Sprint please?
>73, Randy WJ4P
>
>
Be advised that the Boatanchors Net meets there every evening about 9PM
EST, and some of those folks run some power.....We get QRM from W1AW
just above 3579 also, try going a little lower.

73 rich K7SZ

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "Dean Marzocca" <n2tnn@ifu.net>

Subject: [6698] Re: FOX Report: 12/18/96
Message-ID: <199612190427.XAA14760@mail.ifu.net>

Dave

Great job last night. You were no where to be heard and then your sig started to come up out of the noise. I could heard the other hounds. QSB brought you up and then down and I waited till it was a steady 559. I called twice and you got me on the second call. Sometimes it pays to just listen and wait.

Good job, it was fun. My card and SASE is on the way to you already so just hold off on sending mine until you get the envelope with stamp.

Glad to hear so many other hounds hot on the trail. Oh, and I should mention that I originally focused in on the frequency that had the loudest RTTY signal. I figured you were under it and I was right. You came in and the RTTY went down in strength.

Let's see...FOX...RTTY...FOX...RTTY...FOX...RTTY doesn't rhyme but they go hand in hand here in NJ

72, Dean

> From: David A. Bixler <w0ch@juno.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: FOX Report: 12/18/96
> Date: Wednesday, December 18, 1996 8:15 PM
>
> This certainly was an interesting experience. The hounds were out in
> force last night baying at the Ozark moon, nipping at my heels for the
> whole two hours. Every time I thought that the pack was satisfied, along
> came a stray and nailed me again. My backsides are sore this morning!
>
> Summary of hounds nipping the FOX:
>
> Total QSO's: 49
> States/Prov: 17
>
> By state/province:
> CA - 13 Looks like team California took the trophy again.
> TX - 9
> AZ - 6

> CT - 3
> FL - 3
> NC - 2
> NM - 2
> NV - 2
> ID - 1
> LA - 1
> MA - 1
> MD - 1
> MN - 1
> MT - 1
> NJ - 1
> UT - 1
> SK - 1 (VE5)

>
> Here is a copy of the log for W0CH on 12/18, 0300 - 0500
UTC:

>
> NR TIME CALLSIGN SENT RCVD STATE NAME
NUMBER/POWER
>

> 01 0300 AB50U 559 559 NM
Tim 73
> 02 0302 N6XU 559 589 CA
Stan
> 66
> 03 0303 KK7BD 559 559 AZ
Dan 696
> 04 0304 KJ5VW 559 559 TX
Gary 227
> 05 0307 AE4IC 579 579 NC
Bob
> 54
> 06 0309 K5RV 579 599 LA
Brian
> 324
> 07 0310 K5W0 569 559 TX
Bob
> 273
> 08 0313 K5F0 559 559 TX
Chuck
> 1
> 09 0316 NR3E 559 599 TX
Dave
> 25
> 10 0316 NQ7X 569 559 AZ

Floyd					
> 343					
> 11	0319	K5JHP	559	559	TX
Bill					
> 825					
> 12	0321	N7KT	569	559	AZ
Roger					
> 62					
> 13	0323	N6MM	559	559	CA
Harvey		318			
> 14	0325	W5FN	599	599	TX
Tim					
> 586					
> 15	0326	AD4ZE	569	599	NC
Warren		78			
> 16	0328	NI0A	559	559	MN
John					
> 689					
> 17	0330	W1HUE	449	529	ID
Larry		228			
> 18	0332	K5ZTY	559	599	TX
Bill					
> 473					
> 19	0333	NQ7K	559	559	AZ
Mike					
> 47					
> 20	0335	KU7Y	449	449	NV
Ron					
> 17					
> 21	0338	AA2WJ	559	449	TX
Dick		5 W			
> 22	0340	W6SU	559	559	CA
John		48			
> 23	0341	KI7MN	569	559	AZ
Bob					
> 271					
> 24	0345	N6WG	559	339	CA
Bob					
> 26					
> 25	0348	K5ON	569	559	NM
Gary		770			
> 26	0349	VE5RC	559	559	SK
Bruce		5 W			
> 27	0354	W5HNS	569	579	TX
Henry		178			
> 28	0356	W6ZH	559	569	CA
Pete					
> 257					

> 29	0358	W6BAB	559	559	CA	
Harvey		5 W				
> 30	0359	K6JI	449	449	CA	
Dennis						
> 303						
> 31	0402	K1MG	339	559	CA	
Mike						
> 614						
> 32	0408	K06KA	449	559	CA	
Rob						
> 176						
> 33	0414	AA6R	449	339	CA	
Gary						
> 406						
> 34	0419	KK4KF	559	449	FL	
Bill						
> 755						
> 35	0422	W03B	559	339	MD	
Bob						
> 195						
> 36	0424	KE4YH	449	559	FL	
Stew						
> 590						
> 37	0428	K6VNX	559	559	CA	
Arlen		5				
> W						
> 38	0429	N1QQV	559	559	CT	
Ken		400				
> 39	0430	WA6HHQ	559	559	CA	Eric
	429					
> 40	0432	NT1U	569	559	MA	
Dave						
> 698						
> 41	0433	KC1FB	569	599	CT	
Jim						
> 29						
> 42	0436	N2TNN	559	559	NJ	
Dean		560				
> 43	0438	WI6M	449	449	CA	
Gary		4				
> W						
> 44	0440	N7GS	339	559	MT	
Dave						
> 815						
> 45	0446	KD40BQ	559	419	FL	
Patrick		1 W				
> 46	0451	KC7NEV	559	559	AZ	Joe
	191					

> 47 0453 N7CTJ 559 449 NV
Dick
> 843
> 48 0456 AB7ST 559 559 UT
Bob
> 129
> 49 0459 AA1MY 579 599 CT
Seab 574
>
> Near miss: VE7SL
>
> Rig: TS-530 tuned to 5 watts using Bird 43
wattmeter.
> Antenna: 132 foot off-center fed Zepp at 50 feet, 450 Ohm
> balanced line with Johnson Matchbox
tuner.
>
> Thanks to all the hounds. You were all very
sportsmanlike and
> well behaved. See you again in January.
>
> Dave Bixler QRP-L # 618
> W0CH Seneca, MO
> W0CH@juno.com
>

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Jerry Brown <jmbrown@edge.net>
Subject: [6739] Re: HB: Connector Hint & Kink
Message-ID: <32B97EFF.26CA@edge.net>

Merry Christmas to All from our frozen Tennessee QTH.

72 and 73 in 97,

Jerry N4EO and Angie N6DXW

Claton Cadmus wrote:

There, small gold plated inexpensive connectors that will made
disassembly
a snap! ;-)

Dave Benson does this with the WM-20 SSB kit...a real step forward if
you ever have to replace panel components or troubleshoot.

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "Claton Cadmus" <aplitech@Spacestar.Net>
Subject: [6761] Re: HB: Connector Hint & Kink
Message-ID: <199612192111.PAA23565@Spacestar.Net>

> Dave Benson does this with the WM-20 SSB kit...a real step forward if

Well I guess it's very seldom in life when your get to be first with an idea!;-)

73 de Cla KA0GKC

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [6727] Re: Kit choice & antenna

>From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
>Well Jim, I agree with you that a resonant dipole is an
>efficient radiator. That's why I chose the G5RV as my first
>antenna. A Butternut vertical outperforms a compromise dipole
>at QRP power levels.

Hi Stephen, You may know what you meant but many others have been told that a G5RV is **not** a resonant dipole on the ham bands because it's 102ft length is resonant at about 4.64MHz.

Minimum SWR on the G5RV means that one has found the resonant frequency of the G5RV antenna **system** where the feedlines are part of the resonating system as well as the wire dipole. Both the 300/450 ohm section and the coax function as series section transformers to achieve a purely resistive impedance at the feedpoint at the resonant frequencies of the antenna **system**.

A G5RV will outperform a Butternut vertical in two directions on 80m and 40m if it is high enough. If the G5RV is 60ft high, it will have about 7.5dBi gain on 40m with a take-off-angle of about 32deg, according to EZNEC. A 1/4 WL vertical has about 0dBi gain with a TOA of 26deg. Even at a TOA of 26deg, the G5RV has about 7dB gain over a vertical in two directions (if the dipole is 1/2 WL up in the air).

So I assume your use of the words "compromise dipole" meant a low height which causes the TOA on the dipole to rise and make it unsuitable for DX.

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: FACMSA@facilities.buffalo.edu (Adams, Mark S.)
Subject: [6747] RE: Kit choice & antenna
Message-ID: <1996Dec19.134400.1483.36882@facilities.buffalo.edu>

Hi Gang,

I can echo Stephen's remarks with a twist. After I put up my 40M HB ground mount vertical with 4 radials I found its performance well below that of my 40M twin lead fed delta loop which was vertically polarized. Then I raised the vertical up a few feet and went with 4 elevated radials. WOW, the vertical now outperformed the loop on most signals, long and short, most of the time.

I have since tried 2 other configurations of the loop to no avail. I figured that making the loop longer (now abt. 250'), diamond shaped, averaging 18 feet of the ground would be a good NVIS antenna. It is during the day. But once the sun goes down the vertical wins out on about 90% of the signals. And I am feeding the vertical with LOTS of hardline. The run to the backyard is about 130' and I have coaxial chokes at the base of the antenna and at the exit from the house. These chokes each have about 30' of coax.

Bottom line? I plan on a new Butternut HF6V, base up at 20', just as soon as I can get out to dig a hole for a concreted-in HB hinged base! All bands on one antenna is just too convenient.

72, Mark N2VPK

Once I put up the Butternut, the radio propagation was outstanding and that little NorCal40 just shined! Then I built the OHR Explorer 30 and had a ball working Japan with it. So I would say my tuning ability was not a factor. Once I acquired the QRP+ and EMTECH 40 then I began having QRP success with my G5RV but not to the extent that I experienced with the Butternut vertical.

I would summarize all this by pointing out there are few among us who desire to build just one QRP rig. So choose your first rig based on what appeals to you, enjoy the experience, then plan for the next

one. What I learned in my experience is this: A Butternut vertical outperforms a compromise dipole at QRP power levels.

Enjoy!

Stephen Lee, AB7HI, Tacoma, WA
slee@u.washington.edu

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [6751] Re: Kit choice & antenna
Message-ID: <Pine.A41.3.95b.961219100821.31316I-100000@homer24.u.washington.edu>

Both your assessment and assumption are correct, Cecil.
I acquired the G5RV knowing it was going to be a tough fit installing it at my QTH. The backup plan was to trim it down into a resonant dipole. It may still come to that as one leg droops a few feet. I can get a visualization of what effect low antenna height has on a dipole with this installation. Whenever the wind blows and that droop begins to sway, the SWR moves noticeably. I've suspected this condition as a contributing factor whenever an op reports QSB during a QSO.

For two QRP-to-the-Fields I have used the NorCal40 along with a homebrew resonant dipole for 40 meters. Also used a fellow QRPr's resonant dipole this past field day. Contacts were few and far between for me during those 3 events, actually nonexistent for my first QRP-to-the-field. Antenna height was low...less than 1/2 wavelength. At home I can switch between the vertical and G5RV and often do when my QSO contact is amenable to that. It's interesting to note the differences between the two. Especially when checking into a net and I'm switching back and forth between the vertical and the G5RV.

Would be curious to see what your EZNEC software calculates for a G5RV up 25 feet. One leg points due west while the other points due north. Because the ground slopes uphill, the north end is about 20 feet high and that leg has a droop of a few feet in the middle. Just curious to know what it looks like in the 80 and 40 meter novice segment, Cecil.

All this banter about antennas really helps me to remember what little antenna theory I learned. And I'm learning more as we continue to grow. (learning mor(s)e too, hi hi.) I want you all to know I appreciate your contribution and express my thanks to everyone onboard QRP-L.

Happy Holidays!

Stephen Lee, AB7HI, Tacoma, WA
slee@u.washington.edu

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: [6701] Re: Message from QRP Bob at Wilderness Radio: New Sierra run, etc.
Message-ID: <19961219.044103.12383.3.k7yha@juno.com>

On Wed, 18 Dec 1996 20:29:36 -0800 svecbrdk@well.com (L.Svec,W.Burdick) writes:
>A message from Bob Dyer at Wilderness:

>

>

>It is with great pride and thanksgiving that I wish to inform you that
>the
>current run of Sierras is now sold out.

Outstanding! Congratulations to QRP Bob and Ole Weird Wayne! A small business that is taking off is always a good sign. It's even better cuz it's a QRP business (pun intended).

Well done, guys.

>As an incentive to those who are thinking about purchasing a Sierra in the future, I >am including free of charge with each prepaid Sierra order postmarked before >February 1, 1997, a BuzzNot (noiseblanker).

I gotta tell all the qrp-l gang that this Buzz-Not noiseblanker REALLY does work. I had it together in about an hour and installed in my Sierra.....just in time for the 10 meter test last weekend (dismal results score wise but not the fault of the Buzz-Not). I have some very bad line noise that comes up intermittantly here in Wilkes-Barre, PA and the Buzz-Not really cuts the noise down to size. Well worth the addition to any rig.

Happy Holidays, Wilderness.

73 de rich K7SZ

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "Phil, K6LS" <k6ls@amsat.org>
Subject: [6713] Re: Norcal 40a es 10-turn pot
Message-ID: <32B907AC.DC1@amsat.org>

ED WELCH wrote:

> The original pot helps
> to stabilize the pcboard in the case, this wire-lead pot won't help in
> this respect. Was the pot that you installed a pcb-mount or wire-lead
> type? If wire-lead, how'd you stabilize the pcb?
>
> 72/73
> Ed Welch KF4KRV

good luck on finding a pcb mount 10 turn 10k pot. I have a "wired" in type and it works wonders vs. the stock pot. I would not worry too much about the stabilization of the pcb board. There are 2 pots and a switch that do the job.

There has been no wear and tear at all on my 40a, which has the 10turn pot and Jim Pepper Freq display and now the Variable bw mod. And this thing has been well traveled. Find a good Bourne's (sp?) pot and have a go at it. You will not be disappointed!

72 de Phil K6LS

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [6728] Re: Oh, no! Not that guy again & a couple quesitoons.
Message-ID: <199612191625.JAA28096@dancris.com>

At 11:16 AM 12/19/96 -0500, you wrote:

>
>4. How many times do you think my prospectus bounced after it was body
>slammed on the concrete floor outside the ring by the committee?
>
>

3?

Electroshock, or what? Welcome back.

73,
Bob KI7MN Chandler, AZ Grid DM43BI Lat 33.334500 Long -111.87260
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL
<http://www.dancris.com/~ki7mn>

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: rhight@primenet.com (Roger Hightower)
Subject: [6731] Re: Oh, no! Not that guy again & a couple quesitoons.
Message-ID: <199612191659.JAA29931@primenet.com>

At 11:16 AM 12/19/96 -0500, NilsBull@aol.com wrote:
>1. Whose doin' the banquet organizing for Dayton this year?
>
>(snip)
>3. Been out so long that I fergot nearly everthin' I learnt hear. But I did
>discover that my original thesis was correct: 8 point type is too dang small
>and...
>

Welcome back, Nils! Nice to see you on the screen, :-)

Lots of changes, lots of call sign changes, no one is who you think they are
'cept Chuck and some of the oldies. Looking forward to more postings from you.

72/73 de Roger N7KT (Ex-AA7QY) Mesa, AZ Grid DM43cj

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: SSLYON <SSLYON@worldnet.att.net>
Subject: [6767] Re: QRL response
Message-ID: <19961219223206.AAA17627@LOCALNAME>

At 04:15 PM 12/19/96 +0000, you wrote:
>QRP Wisdom Folks:
>
>I know we have discussed QRL? on here and ways to reply.
>I'd like to pose this scenario on top:
>
>During last weeks fox hunts, while waiting my chance to get the

>fox (which in the end I did), I guy called QRL? pretty much
>on "our" (the foxes) frequency. I replied QRL to do my part
>to help keep someone from QRMing us. Well he heard me, and replied
>QS0?

>*****

I heard that exchange and have had similar encounters. My response is
usually < QRL TU QRL TU >. It usually works... if not the first time,
the second time when I goose the ALC to QRO levels. =s=

"Seab" Lyon, AA1MY
Bethel, CT; FN-31-HJ;
ARCI#9253; QRP-L#574;
ARRL; QCWA; B.C.I.

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: Allen Jones <ajones@adsnet.com>
Subject: [6769] Re: QRL response
Message-ID: <1.5.4.32.19961219225631.006bdbb0@adsnet.com>

>At 04:15 PM 12/19/96 +0000, you wrote:

>>QRP Wisdom Folks:

>>

>>I know we have discussed QRL? on here and ways to reply.

>>I'd like to pose this scenario on top:

>>

>>During last weeks fox hunts, while waiting my chance to get the
>>fox (which in the end I did), I guy called QRL? pretty much
>>on "our" (the foxes) frequency. I replied QRL to do my part
>>to help keep someone from QRMing us. Well he heard me, and replied
>>QS0?

>>*****

How about this . . . SKED HR NW TU

72/3 Allen Jones, W9DZ
Michigan City, IN EN61nq

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [6770] Re: QRL response
Message-ID: <Roam.3.0.1.851036339.20840.myers@bigboy>

Allen wrote:

```
> >At 04:15 PM 12/19/96 +0000, you wrote:
> >>QRP Wisdom Folks:
> >>
> >>I know we have discussed QRL? on here and ways to reply.
> >>I'd like to pose this scenario on top:
> >>
> >>During last weeks fox hunts, while waiting my chance to get the
> >>fox (which in the end I did), I guy called QRL? pretty much
> >>on "our" (the foxes) frequency. I replied QRL to do my part
> >>to help keep someone from QRMing us. Well he heard me, and replied
> >>QS0?
> >>*****
>
> How about this . . . SKED HR NW TU
```

I'd probably say:

QRL QRL

Afterall, QRL is supposed to mean the frequency is in use, right? ;-)

Dana K6JQ
Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: n5zgt@swcp.com (Brian Mileschosky)
Subject: [6764] Re: radio merit badge
Message-ID: <199612192218.PAA06880@kitsune.swcp.com>

```
At 03:49 PM 12/19/96 -0500, BWHITTEM@mailgw.sanders.lockheed.com wrote:
> im sorry if this isnt totaly qrp related but i am wondering if anyone
> on the list has taught the boy scout radio merit badge course.
> i have the requirements and a few boys in our troop that want to take
> the course but would like a course curriculum that someone has done.
> im hoping that ill get some qrp ops in the troop. with the wealth of
> information in this group id be surprised if someone hasnt.
> thanks
> barry whittemore
> wb1ledi
> asm troop 135
> manchester,nh
> wb1ledi@scoot.netis.com
```

Hi Barry,

I have not taught the Radio Merit Badge before, but I know I can do it because of Amateur Radio. I have earned it, though.

The way my Troop (Scout info is in my signature below) taught it was by the book. Go over all of the requirements and make sure they know it. Another thing mt Troop did (And what I will do when I teach it in January) was make it a requirement to take either the Novice or Tech No-Code exam. This was required to get the merit badge, and we received 3 new Hams in the Troop because of it.

I wish you luck and look foward to hearing some new calls from your Troop.
72 & Yours int he Briththerhood of Scouting,
Brian, N5ZGT

Boy Scouts of America	Amateur Radio - N5ZGT
Eagle Scout (12-6-96)	ARRL QRP: NorCal# 1700 QRP-L# 580
JASM - Troop 41	Author of Worldradio's "Youth Forum" Column
Albuquerque, N.M.	Packet: N5ZGT @ KC5IZT.ALBQ.NM.USA.NA
O.A. Lodge 66 <-W-W-W-<<	Internet: n5zgt@swcp.com

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [6768] Re: TEN-TEC QRP Kits
Message-ID: <Roam.3.0.1.851035640.14124.myers@bigboy>

DuWayne wrote:

> Just stopped in to see the people up near DollyWood about their QRP kits.

Hey, the signal/noise ratio has been so good lately that it is scaring me, so I feel compelled to write that, last summer, I visited East TN.

I drove through Pigeon Forge several times (as well as Sevierville), and never once went to Dollywood. I'm so proud of myself I could burst.

;-)

Season's Best!
Dana K6JQ
Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996

From: Monte Stark <ku7y@sage.dri.edu>
Subject: [6760] Re: Tins, kits, connectors & gettin' yer flu shots early
Message-ID: <Pine.SUN.3.90.961219130503.5789A-100000@vortex.sage.dri.edu>

On Thu, 19 Dec 1996 NilsBull@aol.com wrote:

> And, he said with an elitist sniff, I got my flu shot early so I could have a
> low grade version of it just before Christmas/Jul/Solstice/whatever.

Don't hold yer' breath, ole' tube plucker, I got one of them shots
week before last and it ain't worked yet.....I still feel good!

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [6717] Re: Tuners
Message-ID: <Pine.SOL.3.94.961219072132.10088A-100000@utkux4.utcc.utk.edu>

On Wed, 18 Dec 1996, Daniel C Winkler wrote:

> Lowest losses will
> NOT occur at the lowest Q (which is the simple L match), but at some
> other Q where the INDUCTOR is at its minimum value.
>
> Forget the caps.

> If you don't believe me, construct a little spreadsheet for yourself, and
> put in the formulas for a pi-circuit. The formulas can be found in Solid
> State Design for the Radio Amateur, or the ARRL Handbook, or the ARRL
> Antenna Book.

Danny is correct, although one cannot completely forget the capacitors.
The input capacitor value must still fall within its range of variation.
However, no need, unless you just want to, to hand calculate the PI
circuit values. You can use ZL1LE's transmatch design program in HAMCALC
and select the PI--then watch the figure for delta (a calculation of the
loss factor based on worked found in Terman based on calculation by Everitt
in the 1930s) as you select values--lowest is best--and that is always the
lowest L commensurate with C falling within its range of values. In many
cases, the input C required is too low for a given physical capacitor.
For the PI, using a capacitor with the lowest minimum value (and still
having a maximum in the 150-250 pF) range is essential. Chief limiting

factor is frame construction. For QRP, some of the capacitors with ceramic blocks that hold the parts at one end only are very good. Receiver capacitors with u-shaped metal frames are much less good, since their minimum capacitance is set by the frame-to-end stator plate capacitance--often considerable, even for physically small capacitors.

Each type of network has its own "lowest delta" pattern, and these patterns will tell you something about what type of components are best for that network type.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: nskousen@scientech.com (Niel Skousen)
Subject: [6724] Re: Tuners
Message-ID: <v02140b00aedf1134ad1c@[198.60.91.132]>

>in the 1930s) as you select values--lowest is best--and that is always the
>lowest L commensurate with C falling within it range of values. In many
>
>-73-
>
>LB, W4RNL

Would it be reasonable to make the generalization that the settings with the lowest L are best ? Seems to conflict w/ other posts on this thread, but I have not been reading closely....

TNX
Niel

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "paul f. young" <pfy@axe.intercall.com>
Subject: [6706] Re: Tuners: PIs
Message-ID: <32B8CE43.5512@mail.intercall.com>

Glen Leinweber wrote:

```
> In <32B855AB.5D88@mail.intercall.com>, paul f. young wrote:
> 
> Could you explain that in a simpler terms about the meshing and
> unmeshing of the variable capacitors in the PI network ATU.
> ---
> 
> Paul,
> A "fully meshed" variable cap would have maximum capacitance,
> with the (grounded) moveable plates all hidden in-between the fixed
> plates.
> An "unmeshed" variable cap has minimum capacitance, with all
> the moveable plates up in the air.
> 
> Perhaps a schematic diagram would be better (turn off proportionally
> spaced fonts to see this properly):
> 
> A PI network tuner:
> 
> RIG-----inductor-----Antenna
>           |               |
>           |               |
>         _|_             _|_
>        input          output
>       variable        variable
>           |               |
>          gnd            gnd
> 
> If your antenna is HIGHER Z than 50 ohms, then the lowest Q
> tuning reverts to an L network, where the input variable cap
> tends toward minimum capacitance:
> 
> RIG-----inductor-----Antenna
>                   |
>                   |
>                 _|_output
>                ___variable
>                   |
>                  gnd
> 
> So why use a PI network, rather than the simpler L network?
> Because the PI lets you match to a LOWER Z load as well as a
> HIGHER Z load. The L network that matches to an antenna
> impedance LOWER than 50 ohms looks like this:
> 
> RIG-----inductor-----Antenna
>           |
```

```

>      |
>      -|-
>      --- input
>      | variable
>      |
>      gnd
>
> So you can adjust the PI to simulate either L network. Its
> more versatile.
> Glen VE3DNL      leinwebe@mcmail.mcmaster.ca

```

Glen,

Thank you for responding. I wasn't aware that relation between the rotor and stator was call meshing (makes sense). I was e-mailing LB about components in a high grade PI network ATU. What size variable would you recomend for Qrp ATU power ratings and variable high and low Z matching.

--

Paul F.Young KC2AHB
 pfy@mail.intercall.com ,76716.722@compuserve.com
 Ramapo Mt. A.R.C, S.A.R.A. (N.J.)
 AKQRP #042 QRP-L #881

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996
 From: "paul f. young" <pfy@axe.intercall.com>
 Subject: [6707] Re: Tuners: PIs
 Message-ID: <32B8D3B7.59F1@mail.intercall.com>

This is a multi-part message in MIME format.

-----27F1727E2A80
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

L. B. Cebik wrote:

```

>
> Paul,
>
> Paul, KI8N (?) on this list is probably the best PI person around. I have
> not doe a parts study for a PI, but have recently built an L-C-L and some
> time back an SPC for 20-10 meters. The usual L in an SPC (or C-L-C) is
> about 20 microH, and I used 6 to 7 micro H for my tuner, based on an

```

> available surplus rotary inductor. There are new Laporte 10 microH
> inductors I have seen at hamfest for \$10-15. For 80-20, a 20 micro-H
> inductor is probably good for a PI.
>
> The TX side should probably have a 350-500 pf receiving variable, and the
> antenna side can have the same for a QRP PI for the lower HF bands. There
> are some Hammerluind HF 100s (100 pf variables with ceramic supports for a
> very low minimum value of C) that ought to work well for a high HF band
> unit, although 200 pF units might handle a wider range of reactance at the
> higher bands. Avoid cheap plastic AM radio type units for tuner work.
>
> That is the basics. Prowling hamfests, talking to other hams about
> components, posing questions to the net to get the widest possible range
> of experience working for you are all good ways of making the learning
> curve nicely steep upwards.
>
> good luck.
>
> -73-
>
> LB, W4RNL

LB,

Thank you for responding. I was discussing PI networks with Glen and I
got some basic reasoning behind the use of a PI network over a T net. I
just have to wait for the next flea market (which is yonkers Jan 17th in
my area of North Jersey) to get components. Paul KI8N, if you see this
post can you jump in and recommend components for a Qrp PI net. ATU
(size of var caps. and inductors) to match a wide range high/low Z
antenna feed.

--

Paul F.Young KC2AHB
pfy@mail.intercall.com ,76716.722@compuserve.com
Ramapo Mt. A.R.C, S.A.R.A. (N.J.)
AKQRP #042 QRP-L #881

-----27F1727E2A80
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Received: from utkux4.utcc.utk.edu (UTKUX4.UTCC.UTK.EDU [128.169.76.11]) by
axe.intercall.com (8.7.4/8.6.9) with SMTP id UAA16921 for <pfy@axe.intercall.com>;
Wed, 18 Dec 1996 20:25:17 -0500 (EST)

Received: from localhost by utkux4.utcc.utk.edu with SMTP (SMI-8.6/2.7c-UTK)
id BAA08433; Thu, 19 Dec 1996 01:24:24 GMT

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: Re: Tuners: PIs
Message-ID: <Pine.SOL.3.94.961218201533.5191G-100000@utkux4.utcc.utk.edu>

Paul,

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good luck.

-73-

LB, W4RNL

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Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
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Received: from utkux4.utcc.utk.edu (UTKUX4.UTCC.UTK.EDU [128.169.76.11]) by axe.intercall.com (8.7.4/8.6.9) with SMTP id UAA16921 for <pfy@axe.intercall.com>; Wed, 18 Dec 1996 20:25:17 -0500 (EST)

Received: from localhost by utkux4.utcc.utk.edu with SMTP (SMI-8.6/2.7c-UTK) id BAA08433; Thu, 19 Dec 1996 01:24:24 GMT

From owner-qrp-1@Lehigh.EDU Thu Dec 19 18:01:16 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

Subject: Re: Tuners: PIs

Message-ID: <Pine.SOL.3.94.961218201533.5191G-100000@utkux4.utcc.utk.edu>

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good luck.

-73-

LB, W4RNL

-----27F1727E2A80--

From owner-qrp-l@Lehigh.EDU Thu Dec 19 18:01:16 1996

From: "Paul F. Young" <pfy@axe.intercall.com>

Subject: [6774] Re: Tuners: PIs

Message-ID: <3.0.32.19961219182430.0069877c@mail.intercall.com>

Glen,

TNX, I will use these suggestions as a guide line the next time I am at a fleamarket scrounging parts. The antenna that I was going to build and match an ATU to is two vertical homemade hamsticks linked as a quarterwave dipole each side with a 67 ft. radial wrapped around the house for each side(I am a limited space city dweller)to form a 80meter halfwave dipole. What do you think?

Paul

At 03:09 PM 12/19/96 -0500, you wrote:

>In <<32B8CE43.5512@mail.intercall.com>, paul f. young wrote:

>>Glen Leinweber wrote:

>

>> Thank you for responding. I wasn't aware that relation between the

>>rotor and stator was call meshing (makes sense). I was e-mailing LB

>>about components in a high grade PI network ATU. What size variable

>>would you recomend for Qrp ATU power ratings and variable high and low Z

>>matching.

>>--

>

>Paul,

> Was just doing some calculations last nite. Was thinking that

>transforming 50 ohm rig to a 1 kohm antenna resistance might give

>enough range. That's about 50 uH, if you want to do 80 Meters.

>Some tuner designs use more.

>

>I'm a scrounger, so I adapt what shows up. Have made a T tuner from

>a military surplus item. Has two silver-plated roller inductors,

>one is 6uH, the other is 100uH. The variable cap is 600pF. It'll
>tune nearly anything, even unterminated twin-lead (100% losses).

>

>If you use too much inductance, (especially if you use a mulit-tapped
>coil with a switch), the inductance jump from one switch position
>to the next might be too coarse for tuning the higher bands.

>Ain't engineering fun? I'd listen to L.B. - he's got a better idea
>what range antenna impedances can cover.

>

>

<color><param>0000,8080,0000</param>Paul F.Young KC2AHB

pfy@mail.intercall.com ,76716.722@compuserve.com

Ramapo Mt. A.R.C, S.A.R.A. (N.J.)

AKQRP #042 QRP-L #881

</color>